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## GRC Environmental Programs Manual—Chapter 12

# Endangered and Threatened Species

*Approved by: Energy and Environmental Management Office*

*Distribution: BMS Library*

**NASA - Glenn Research Center  
Cleveland, OH 44135**

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Page 1 of 6

<b>Glenn Research Center Environmental Programs Manual</b>	<b>Title:</b> Endangered and Threatened Species	
	<b>Document No.:</b> GLM-FE-8500.1-12	<b>Rev.:</b> A

### Change Record

Revision	Effective Date	Expiration Date	C-25, Change Request #	Description
A	4/2015	4/2020		<p>2.0 "It is applicable to GRC employees and contractors at all levels" changed to "It is applicable to GRC personnel including, but not limited to, civil servants, contractors, and students who participate in the formulation, development, and execution of qualifying NASA actions.</p> <p>5.4 "Safety, Health and Environmental Division" Changed to Energy and Environmental Management</p> <p>6.0 added "REQUIREMENTS -The Energy and Environmental Management Office Natural Resources Program Manager shall be the official POC in regards to endangered and threated species at GRC."</p> <p>Updated all form links to reflect the NASA Electronic Form portal. Corrected several form names. Appendix A, deleted SMAD and SHeD from Acronym List</p>

*\*\*Include all information for each revision. Do not remove old revision data. Add new rows to table when space runs out by pressing the tab key in the last row, far right column.*

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	<b>Document No.:</b> GLM-FE-8500.1-12	<b>Rev.:</b> A

## Table of Contents

1.0	PURPOSE.....	4
2.0	APPLICABILITY .....	4
3.0	BACKGROUND .....	4
4.0	POLICY.....	4
5.0	RESPONSIBILITIES .....	4
5.1	National Environmental Policy Act Program Leads at Lewis Field and Plum Brook Station .....	4
5.2	Facilities Division Supervisors .....	4
5.3	All Employees .....	4
5.4	Energy and Environmental Management Program Leads .....	4
6.0	REQUIREMENTS .....	5
6.1	Procedural Requirements of the Endangered Species Act of 1973 ( <i>16 U.S.C. 1531–1544</i> ).....	5
6.1.1	Project Review, Consultation, and Mitigation.....	5
7.0	RECORDS.....	5
8.0	REFERENCES .....	5
	APPENDIX A.—DEFINITIONS AND ACRONYMS .....	6

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<b>Glenn Research Center Environmental Programs Manual</b>	<b>Title:</b> Endangered and Threatened Species	
	<b>Document No.:</b> GLM-FE-8500.1-12	<b>Rev.:</b> A

## Chapter 12.—Endangered and Threatened Species

*NOTE: This chapter is maintained and approved by the Energy and Environmental Management Office (EEMO). The last revision date of this chapter was March 2015. The current version is maintained on the Glenn Research Center internet at <http://www.grc.nasa.gov/WWW/FTD/EEMO/index.html>. Approved by: Chief of Energy and Environmental Management Office.*

### 1.0 PURPOSE

This chapter establishes policies and procedures for dealing with NASA Glenn Research Center (GRC) projects and programs that could affect threatened or endangered species.

### 2.0 APPLICABILITY

This chapter is applicable to all GRC actions that may have an impact on threatened or endangered species at GRC and at any NASA-controlled, Government-owned facilities associated with GRC. It is applicable to GRC personnel including, but not limited to, civil servants, contractors, and students who participate in the formulation, development, and execution of qualifying NASA actions.

### 3.0 BACKGROUND

Many species of animals and plants have become endangered or threatened within Ohio because of habitat destruction, harvesting, hunting, and pollution. Congress has recognized these species as having aesthetic, ecological, educational, historical, recreational, and scientific value to the Nation and its people. It is the policy of Congress that all Federal departments and agencies seek to conserve, to the extent practicable, the various species of fish or wildlife and plants facing extinction. Federal agencies must ensure that any action authorized, funded, or carried out is not likely to jeopardize the continued existence of any endangered or threatened species or result in the destruction or adverse modification of critical habitat.

### 4.0 POLICY

It is the policy of GRC to comply with all applicable Federal and state regulations with regards to endangered and threatened species. These regulations include the Endangered Species Act (ESA) of 1973, Endangered and Threatened Wildlife and Plants (50 Code of Federal Regulations (CFR) 17), and Special Endangered Wild Animal Regulations (Ohio Administrative Code (OAC) 1501:31-23-01).

### 5.0 RESPONSIBILITIES

#### 5.1 National Environmental Policy Act Program Leads at Lewis Field and Plum Brook Station

The National Environmental Policy Act (NEPA) Program Leads at Lewis Field and Plum Brook Station must review proposed projects at their respective sites for impacts on threatened or endangered species. They also plan and implement policies and procedures at their respective sites that that comply with GRC policy.

#### 5.2 Facilities Division Supervisors

All GRC supervisors shall be cognizant of GRC policy regarding threatened and endangered species and shall use their authority to uphold the goals of this program.

#### 5.3 All Employees

All GRC employees shall be cognizant of GRC policy regarding threatened and endangered species and shall conduct their jobs in a manner that upholds the goals of this program.

#### 5.4 Energy and Environmental Management Program Leads

All Energy and Environmental Management (EEMO) Program Leads shall be cognizant of GRC policy regarding threatened and endangered species and shall exercise their programs in a manner that upholds the goals of this program.

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	<b>Document No.:</b> GLM-FE-8500.1-12	<b>Rev.:</b> A

## 6.0 REQUIREMENTS

The Energy and Environmental Management Office Natural Resources Program Manager shall be the official POC in regards to endangered and threatened species at GRC.

### 6.1 Procedural Requirements of the Endangered Species Act of 1973 (*16 U.S.C. 1531–1544*)

#### 6.1.1 Project Review, Consultation, and Mitigation

Section 7.0 of the ESA requires Federal agencies to ensure that any action authorized, funded, or carried out is not likely to jeopardize the continued existence of listed species or modify their critical habitat. Actions which could meet these criteria are brought to the attention of the NEPA Program Leads through the NEPA review process (Environmental Programs Manual, Chapter 2). If a proposed action meets any of these criteria, the NEPA Program Leads will consult with the appropriate agency until mutually satisfactory mitigation measures are agreed upon.

Under ESA, all Federal agencies must utilize their authorities, as appropriate, to promote the recovery of listed species.

## 7.0 RECORDS

Known occurrences of threatened and endangered species at GRC.—Maintained by the NEPA Program Leads.

Records of consultations with outside agencies.—Maintained by the NEPA Program Leads.

## 8.0 REFERENCES

Document number	Document name
16 USC 1531–1544	The Endangered Species Act of 1973
50 CFR 17	Endangered and Threatened Wildlife and Plants
<a href="#">GLM-FE-8500.1-2</a>	Glenn Research Center, Environmental Programs Manual, Chapter 2
OAC 1501:31–23–01	Special Endangered Wild Animal Regulations

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	<b>Document No.:</b> GLM-FE-8500.1-12	<b>Rev.:</b> A

## APPENDIX A.—DEFINITIONS AND ACRONYMS

**Code of Federal Regulations (CFR).**—A part of the Federal Register System, CFR exists to record the body of administrative law. Administrative law is based on recognition that the business of government must be transacted efficiently, and that Congress must therefore delegate some of its authority to the agencies and people who actually transact that business.

**Critical habitat.**—May be designated for listed species and consists of (1) the specific areas within the geographical area occupied by the species, at the time it is listed in accordance with the provisions of the Endangered Species Act, on which are found those physical or biological features (constituent elements) (a) essential to the conservation of the species and (b) which may require special management considerations of protection and (2) specific areas outside the geographic area occupied by the species at the time it is listed in accordance with the provisions of the Endangered Species Act, upon a determination by the Secretary of the Interior or the Secretary of Commerce that such areas are essential for the conservation of the species.

### **Endangered Species Act (ESA)**

**Endangered species.**—Any species that is in danger of extinction throughout all or a significant portion of its range other than a species of the Class Insect that has been determined to be a pest whose protection under the provisions of this Endangered Species Act would present an overwhelming and overriding risk to humans.

### **NASA Glenn Research Center (GRC)**

**National Environmental Policy Act (NEPA).**—Directs Federal agencies to conduct environmental reviews for proposed actions.

### **Ohio Administrative Code (OAC)**

**Threatened species.**—Any species that is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.

### **United States Code (U.S.C.)**

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